

What is claimed is:

1. A window regulator assembly, comprising:
 - a shaft having a pinion gear;
 - a counter balance spring mounted on said shaft and disposed to wind or unwind when said shaft rotates;
 - a spring housing mounted on said shaft for covering said spring;
 - a drum having an inner gear in driving and meshing engagement with said pinion gear, said drum having cable guides on its exterior periphery for guiding at least one cable wound therearound;
 - a casing for housing said spring, said spring housing and said drum in abutting relationship; and
 - means for maintaining rotational alignment of said drum relative to said shaft.
2. An assembly according to claim 1, wherein said drum has rotational axis that is offset from a rotational axis defined by said shaft.
3. An assembly according to claim 2, wherein said rotational alignment means comprise a guide disposed on at least one of said spring housing and said drum.
4. An assembly according to claim 3, wherein said guide comprises a rail disposed on one of said spring housing and said drum and a corresponding groove disposed on the other of said spring housing and said drum.
5. An assembly according to claim 2, wherein said rotational alignment means includes an embossment formed in said drum and a recess formed in said casing receiving said embossment.
6. An assembly according to claim 2, wherein said rotational alignment means includes a guide formed in said casing for circumferentially containing said drum.

7. An assembly according to claim 1, wherein said spring housing is constrained from rotating by said casing, said spring having an inner end thereof fixed to the shaft and outer end thereof fixed to said spring housing.

8. An assembly according to claim 7, wherein said spring housing includes at least one tab and said casing includes a recess in which said tab is seated.

9. A window regulator assembly, comprising:
a shaft having a pinion gear;
a counter balance spring mounted on said shaft and disposed to wind or unwind when said shaft rotates;
a spring housing mounted on said shaft for covering said spring;
a cable-guiding drum having an inner gear in driving and meshing engagement with said pinion gear, wherein said drum has a rotational axis that is offset from a rotational axis defined by said shaft;
a casing for housing said spring, said spring housing and said drum in abutting relationship; and
a guide disposed on at least one of said spring housing and said drum for maintaining rotational alignment of said drum relative to said shaft.